



Available for Public Comment:

Boeing Electronics Manufacturing Facility Removal Action Alternatives

July 2016

What is the Engineering Evaluation and Cost Analysis, or EE/CA?

The draft final EE/CA is an evaluation of cleanup options for the Boeing Electronics Manufacturing Facility (EMF) site. The removal action, or cleanup, will address both the source of contamination and the groundwater plume. The EPA is considering five cleanup options in the EE/CA, including a “no action” alternative. With the exception of the “no action” alternative, the cleanup options will remove, treat or contain the trichloroethene (TCE) and vinyl chloride groundwater plume and the plume sources to prevent further contamination into the Lower Duwamish Waterway. These options will include specific Institutional Controls for the property since some contamination may remain at the Boeing EMF site and would prevent unrestricted future land use. The recommended alternative is Enhanced Reductive Dechlorination.

This evaluation is now available for public comment. After the public review, the EPA will decide on a final cleanup plan later in an Action Memorandum, which will be based on the findings in the EE/CA.

About the Site

The Boeing EMF site is on the east side of King County International Airport, located at 7355 Perimeter Road South. The EMF was built by Boeing in the 1930s and was initially used for prototype aircraft assembly. It was reconfigured in the 1960s to manufacture electronic circuit boards using, among other things, solvent cleaning equipment including a vapor degreaser, underground solvent storage tank and associated supply piping. In the 1980s, during removal of solvent cleaning and vapor degreasing equipment from the EMF, it was discovered that the groundwater beneath the site was contaminated with TCE, vinyl chloride, and other chlorinated volatile organic compounds (VOCs). The contaminated groundwater area, known as the plume, extends from the site west for one-half mile, moving underneath the neighboring Boeing Plant 2 cleanup site and into the Lower Duwamish Waterway.

Groundwater treatment at the Boeing EMF site has been occurring since 1997. TCE is still detected in groundwater at the source area but since 2002, TCE has mostly not been detected in wells near or west of East Marginal Way. In February 2007, the EPA and Boeing signed a Settlement Agreement, which requires Boeing to study the extent of contamination and develop cleanup options related to the site. VOC concentrations in groundwater at the EMF shoreline monitoring wells have been below applicable water quality criteria since 2011.

Comments Accepted

July 25 –August 24, 2016

You may ask technical questions and submit written comments to:

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Community Involvement

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Community Advisory Group

Duwamish River Cleanup Coalition/
Technical Advisory Group
<http://duwamishcleanup.org>
(206) 954-0218

Documents available for review at:

**South Park Branch
Seattle Public Library**
8604 Eighth Avenue S.
Seattle, WA 98108
(206) 615-1688

U.S. EPA Region 10

First Floor Library

1200 Sixth Avenue
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EPA Region 10 website:

<http://go.usa.gov/c7uQT>

La Agencia de Protección Ambiental de Estados Unidos le invita a comentar sobre las alternativas de remoción propuestas en la Evaluación de Ingeniería y Análisis de Costo (EE / CA por sus siglas en inglés) para el Fondo del Boeing de Fabricación de Productos Electrónicos (Boeing Electronics Manufacturing Facility) de limpieza del sitio, que se encuentra en el lado este del Aeropuerto Internacional del Condado de King en el Duwamish Valle de Seattle, WA. El período de comentarios públicos para este documento se inicia 25 de julio y dura hasta el 24 de agosto de 2016. Para obtener más información, póngase en contacto con Julie Congdon al 206.553.2752 o por correo electrónico a congdon.julie@epa.gov para asistencia con el idioma.

Cơ quan Bảo vệ Môi trường Mỹ mời bạn nhận xét về các phương án hành động loại bỏ đề xuất trong đánh giá kỹ thuật và phân tích chi phí (EE / CA) cho Cơ Boeing sản xuất điện tử (EMF) dọn dẹp chỗ, nằm ở phía đông của sân bay quốc tế King County ở Thung lũng Duwamish Seattle, WA. Thời gian bình luận nào cho tài liệu này bắt đầu 25 tháng 7 và kéo dài cho đến ngày 24 tháng 8, 2016. Để biết thêm thông tin, xin vui lòng liên hệ với Julie Congdon tại 206.553.2752 hoặc qua email tại congdon.julie@epa.gov hỗ trợ ngôn ngữ.